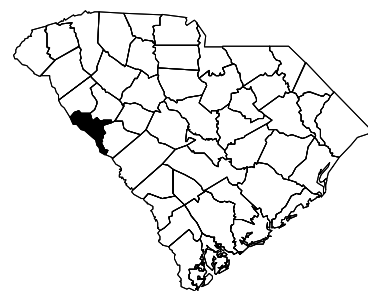


# IMPACT OF CHRONIC CONDITIONS MCCORMICK County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of McCormick county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of McCormick county's population is similar to the state population. The majority (36%) of the population in McCormick county are between the ages of 18-44. There are more males (53%) than females (47%). McCormick county has a higher minority population (54%) than the state (32%). The elderly population (18%) is higher than the state (12%). When adults in McCormick county were asked about their general health status, 74.5% reported having excellent, very good, or good health in 2002 (SC was 83%).

	MCCORMICK COUNTY	STATE
<b>Population size</b>	10,218	4,107,183
<b>Age distribution (%)</b>		
<18	18	24
18-44	36	40
45-64	28	24
65-84	16	11
85+	2	1
<b>Race (%)</b>		
White	46	68
Black & Other	54	32
<b>Sex (%)</b>		
Male	53	49
Female	47	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for McCormick county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	26	27
Sedentary lifestyle	44	42
Overweight	61	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	29.1	.	.	.	.	28.4
Number of hospitalizations	15	10	5	9	6	5,173
Standard rate of hospitalizations (per 100,000)	116	184	55	139	104	125
Median age of hospitalized patients	63	63	63	55	68	63
Total cost of hospitalization (\$)	133,400	67,200	66,200	92,800	40,600	79,350,400
Average length of hospital stay (days)	3	2	3	2	3	5
Number of ED visits	14	13	1	6	8	7,306
Standard rate of ED visits (per 100,000)	139	237	12	108	178	175
Median age of ED patients	53	53	58	53	55	53
Total cost of ED visits (\$)	7,200	6,300	900	2,800	4,400	5,902,800
Number of deaths*	2	1	1	-	2	366
Standard death rate (per 100,000)*	14	20	9	-	26	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.92	.	.	.	.	5.13
Number of hospitalizations	49	19	30	26	23	30,831
Standard rate of hospitalizations (per 100,000)	384	361	389	421	320	734
Median age of hospitalized patients	63	63	63	63	68	68
Total cost of hospitalization (\$)	1,113,900	304,000	809,900	730,300	383,600	969,122,700
Average length of hospital stay (days)	3	3	3	3	3	5
Number of ED visits	.	.	.	.	.	2,754
Standard rate of ED visits (per 100,000)	60	80	39	78	45	66
Median age of ED patients	63	63	65	63	63	63
Total cost of ED visits (\$)	16,600	12,400	4,200	7,300	9,300	10,617,900
Number of deaths*	31	19	12	18	13	9,723
Standard death rate (per 100,000)*	235	398	143	322	167	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.15	.	.	.	.	2.38
Number of hospitalizations	39	18	21	19	20	14,317
Standard rate of hospitalizations (per 100,000)	279	357	228	333	258	351
Median age of hospitalized patients	73	68	73	73	73	73
Total cost of hospitalization (\$)	501,000	277,700	223,300	292,000	209,000	279,819,700
Average length of hospital stay (days)	5	5	5	5	6	6
Number of ED visits	.	.	.	.	.	2,732
Standard rate of ED visits (per 100,000)	46	58	46	33	56	67
Median age of ED patients	73	73	73	68	73	73
Total cost of ED visits (\$)	13,300	4,700	8,600	5,100	8,200	6,322,600
Number of deaths*	10	4	6	3	7	2,816
Standard death rate (per 100,000)*	77	88	72	57	93	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	31	21	10	10	21	14,524
Standard rate of hospitalizations (per 100,000)	237	413	109	166	299	351
Median age of hospitalized patients	58	53	63	23	60	58
Total cost of hospitalization (\$)	315,700	218,800	96,900	96,800	218,900	198,700,700
Average length of hospital stay (days)	5	5	4	7	4	5
Number of ED visits	71	62	9	27	44	37,517
Standard rate of ED visits (per 100,000)	763	1,161	197	561	980	914
Median age of ED patients	40	35	53	45	40	33
Total cost of ED visits (\$)	33,500	25,900	7,600	11,700	21,800	30,607,600
Number of deaths*	4	2	2	3	1	1,891
Standard death rate (per 100,000)*	31	43	22	46	12	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.13	.	.	.	.	8.33
Number of hospitalizations	25	20	5	15	10	8,652
Standard rate of hospitalizations (per 100,000)	208	348	60	247	185	207
Median age of hospitalized patients	48	48	43	48	53	53
Total cost of hospitalization (\$)	293,000	209,800	83,200	187,700	105,300	127,167,500
Average length of hospital stay (days)	4	4	6	4	4	6
Number of ED visits	16	14	2	8	8	9,316
Standard rate of ED visits (per 100,000)	144	270	20	140	139	224
Median age of ED patients	48	53	45	48	53	53
Total cost of ED visits (\$)	11,900	10,600	1,300	5,800	6,100	8,261,100
Number of deaths*	2	2	-	-	-	1,114
Standard death rate (per 100,000)*	16	.	-	-	.	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	64	30	34	28	36	24,644
Standard rate of hospitalizations (per 100,000)	516	572	493	457	630	591
Median age of hospitalized patients	58	58	63	63	55	58
Total cost of hospitalization (\$)	1,109,300	466,300	643,000	636,100	473,200	605,119,300
Average length of hospital stay (days)	5	5	5	7	4	6
Number of deaths*	29	14	15	16	13	8,320
Standard death rate (per 100,000)*	212	290	174	286	174	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	3	8	8	3	2,113
Standard rate of hospitalizations (per 100,000)	92	55	147	140	57	51
Median age of hospitalized patients	53	83	53	58	48	68
Total cost of hospitalization (\$)	240,800	49,300	191,500	193,400	47,400	80,248,200
Average length of hospital stay (days)	7	6	7	8	4	10
Number of deaths*	2	1	1	1	1	807
Standard death rate (per 100,000)*	12	16	10	12	12	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,465
Standard rate of hospitalizations (per 100,000)	27	20	27	.	51	35
Median age of hospitalized patients	70	83	68	.	70	63
Total cost of hospitalization (\$)	19,000	5,500	13,500	.	19,000	21,213,600
Average length of hospital stay (days)	1	1	1	.	1	3
Number of deaths*	2	1	1	-	2	630
Standard death rate (per 100,000)*	14	20	9	-	26	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	33	60	12	.	63	5
Median age of hospitalized patients	60	53	83	.	60	48
Total cost of hospitalization (\$)	29,700	25,300	4,400	.	29,700	3,668,300
Average length of hospital stay (days)	3	2	3	.	1	4
Number of deaths*	-	1	-	1	7	26
Standard death rate (per 100,000)*	-	9	-	13	21	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,154
Standard rate of hospitalizations (per 100,000)	19	.	28	14	25	51
Median age of hospitalized patients	68	.	68	68	68	68
Total cost of hospitalization (\$)	52,900	.	52,900	11,800	41,100	70,474,400
Average length of hospital stay (days)	5	.	5	6	5	9
Number of deaths*	10	3	7	8	2	2,481
Standard death rate (per 100,000)*	74	64	93	139	25	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,353
Standard rate of hospitalizations (per 100,000)	35	60	23	86	.	32
Median age of hospitalized patients	68	68	75	68	.	68
Total cost of hospitalization (\$)	56,200	29,300	26,900	56,200	.	24,726,200
Average length of hospital stay (days)	2	1	4	2	.	4
Number of deaths*	4	2	2	4	-	478
Standard death rate (per 100,000)*	30	43	21	79	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

#### For more information about

##### Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH  
Bureau of Epidemiology  
SC Department of Health and Environmental Control  
1800 St. Julian Place, Suite 406  
Columbia, SC 29204  
Tel (803) 545-4920

##### Hospital discharges and ED visits, contact:

Sandra Kelly  
Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958  
[skelly@ors.state.sc.us](mailto:skelly@ors.state.sc.us)

